Abstract of the Disclosure

Fertilizer compositions for plant production are described, comprised of

decontaminated manure and *Bacillus* spores, preferably a humic acid derived from lignite and, optionally, one or more of N compounds, P compounds, K compounds, and combinations of two or more of these compounds. Preferred compositions are those wherein the ingredients are blended into an admixture resulting in a granular product. Other preferred compositions are those blended into an admixture resulting in a powdered product. Preferably, the ingredients are formed into hardened prills or pellets. Processes for production and use are also presented.